DTO/ROCOPCI/PIU 25 FEB 2005

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FILING BY "FIRST CLASS MAIL" UNDER 37 § C.F.R. 1.8

I hereby certify that the following correspondence is being deposited with the United States Postal Service as "First Class Mail" with proper postage in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on February 20, 2003.

- 1) Change of Correspondence Address (Application)
- 2) Revocation of Power of Attorney or Authorization of Agent
- 3) Certified copy of the Syngenta Limited Power of Attorney dated November 3, 2002
- 4) Statement Under 37 CFR 3.73(b)
- 5) Copy of the Notice of Recordation of Assignment for U.S. Serial No. 10/069,465
- 6) Return Postcard

Melissa Hardy

Name

FEB 2 5 2003

Mun Harly Signature

PTO/SB/82 (10-00)

Approved for use through 10/31/2002 OMB 0651-0035 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE 2 5 2003 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

___ Total of

forms are submitted

REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/069,465	
Filing Date	10/29/2001	
First Named Inventor	Windass	
Group Art Unit		
Examiner Name		
Attorney Docket Number	50296/PPDUSPCT	

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:							
X A Power of	f Attorney or Aut	thorization of Ager	nt is submitt	ted here	with.		
OR							
Please cha	nge the corresp	ondence address	for the abov	ve-identi	fied applicati	on to:	
Customer Number Customer Number Customer Number Dar Code Label here							
OR							
Firm or Individual Name							
Address							
Address							
City				1	Γ	1 1	
Country			<u> </u>	State		ZIP	
Telephone				Fax			
I am the:							
☐ Applicant/Ir	nventor						
Арріісанин	ivemor.						
		entire interest. See 2.73(b) is enclosed			s) 		
SIGNATURE of Applicant or Assignee of Record							
Name Mary Kakefuda on Behalf of Syngenta Limited							
Signature Mous Kah							
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Burden Hour Statement. This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments of the amount of time, you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/96 (08-00)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEM	ENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner: Syngenta Lim	ited
Application No./Patent No.: 10/069,465	Filed/Issue Date: 10/29/2001
Entitled: Methods for Detecting L	ow Frequencies of Mutations
	a corporation ,
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:	
1. (A) the assignee of the entire right, title, as	nd interest; or
2. an assignee of less than the entire right. The extent (by, percentage) of its own.	ht, title and interest. ership interest is%
in the patent application/patent identified abo	ove by virtue of either:
A. [X] An assignment from the inventor(s) of was recorded in the United States Pat which a copy thereof is attached.	the patent application/patent identified above. The assignment tent and Trademark Office at Ree <u>012989</u> Frame <u>0835</u> , or for
OR	
assignee as shown below:	the patent application/patent identified above, to the current
	he United States Patent and Trademark Office at
	, or for which a copy thereof is attached.
	To:
	he United States Patent and Trademark Office at one of the copy thereof is attached.
3. From:	To:
	he United States Patent and Trademark Office at or for which a copy thereof is attached.
[] Additional documents in the chai	in of title are listed on a supplemental sheet.
	assignment document or a true copy of the original document) in in accordance with 37 CFR Part 3, if the assignment is to be
The undersigned (whose title is supplied below	w) is authorized to act on behalf of the assignee.
2/20/203 Date	Mary Kakefuda on Behalf of Syngenta Limited Typed or printed name
Date	Typed of printed flame

Title

I, ANDREW MICHAEL JACKSON, Notary Public by
Royal Authority duly admitted and sworn practising at
Guildford in the County of Surrey in the United
Kingdom of Great Britain and Northern Ireland
do hereby certify that the Power of Attorney annexed hereto has been signed as a Deed by NEIL DEMPSEY a Director and MATTHEW DAVID BAYLISS the Secretary on behalf of SYNGENTA LIMITED a company registered in England and that the same "N Dempsey" and "Matthew Bayliss" thereto subscribed have been compared with specimens of the signatures of the said Neil Dempsey and Matthew David Bayliss held by me and made in

my presence AND THAT the Deed so signed is in accordance with

the Law of England and Wales and binding on the Company

IN FAITH AND TESTIMONY whereof I have hereunto subscribed my name and affixed my Seal of Office this 20th day of November in the year of Our Lord Two thousand and two

Notary Public

My commission expires with life

APOSTILLE

(Hague Convention of 5 October 1961 / Convention de La Haye du 5 octobre 1961)

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Country: United Kingdom of Great Britain and Northern Ireland Pays: Royaume-Uni de Grande-Bretagne et d'Irlande du Nord

This public document / Le présent acte public

Has been signed by a été signé par

A M Jackson

- Acting in the capacity of Notary Public agissant en qualité de
- Bears the seal/stamp of The Said Notary Public est revetu du sceau/timbre de
- at London/à Londres

Certified/Attesté

6. the/le 03 December 2002

- by Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs / par le Secrétaire d'Etat Principal de Sa Majesté aux Affaires Etrangères et du Commonwealth.
- Number/sous No

G068426



SYNGENTA LIMITED POWER OF ATTORNEY

BY THIS POWER OF ATTORNEY SYNGENTA LIMITED a Company duly organised and existing under and by virtue of the laws of England and having its registered office at Syngenta, European Regional Centre, Priestley Road, Surrey Research Park, Guildford, Surrey GU2 7YH, United Kingdom (hereinafter called "the Company")

(A) HEREBY nominates constitutes and appoints

ALLEN Rose;

AMATO Antonio:

ANDREWS Christopher Dr;

BASTIAN Werner Dr;

BIDDLE Jennifer:

BIONDINI Flavio;

BLIND Valerie;

BOWDICH Julie:

BUTLER James Dr;

CALLAGY Shellev:

CERONI Jocelyne;

CHANDLER Joanna;

CLAUSWITZ Kai-Uwe Dr:

COLLINS Jane;

DAMMANN Michael:

DOWLING Clare:

EBINGER-ZOELD Cornelia;

ELLIOTT Kathryn Dr;

EMMENEGGER Alice;

FEEHAN Jessica:

FELIX Franz Dr:

FLATTERY Marian:

FRAINIER Lea:

GRIMM Marie-Christine:

GUERNE Patrice:

GAAL Jozsef Dr;

HARDY Melissa:

HAUGG Rudolf:

HAMILTON Thomas

AYES Lutieishio

HOFMANN Joachin

HOHENBERGER Klaus Dr.

HOELSCHER Ingo Dr;

HOLDER Susan:

HOUGHTON Malcolm;

HUSKISSON Frank;

KAKEFUDA Mary;

LEBEL Edouard Dr:

LEE Michael;

MORTON Marcia Dr:

NOLAN James;

OSBORN Martin Dr:

PALMER Sarah Dr:

PETERS Cassandra:

ROEHRL Gerhard Dr;

RICKS Michael Dr;

RUDD Ann;

SCHILLER Cornelia:

SCHWARTZ Randee;

SHIRLING Pamela;

SITZLER-SPICHER Lilly:

SOUTHERN David:

SMOLDERS Walter:

STEHLI VOGLER Helene;

STEHLIN Astrid:

STEINER Katrin;

STULTS Larry Dr.

SWIFT Jane:

TARRY Anne:

TEOLI William:

TEOLI VVIIII airi,

TORCHIA Timothy Dr;

VOEGELI-LANGE Regina Dr.

VRANA Bruce:

WAESPE Hans Pudolf De

VARD Stevel

NARREN Grey.

WATERMAN Richard;

WEICHSEL Christian Dr:

WRIGHT Kimberly;

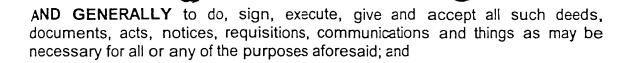
YATES Michael;

ZELLINGER James

to be the true and lawful Attorneys of the Company (hereinafter referred to as "the Attorneys") for and on behalf of the Company jointly and severally to act throughout the world in the matters set out below relating to applications for Patents for Inventions (which terms shall include certificates of supplementary protection inventorship certificates and the like) (hereinafter referred to as "Patents") and to the registration of Designs, Design Rights, Utility Models, Plant Variety Rights and equivalent rights and Copyright (hereinafter referred to as "Other Intellectual Property") already filed or hereafter to be filed in the name of the Company (whether solely or jointly with one or more other parties) that is to say

- (1) to prepare and file all documents, requests and declarations for obtaining the grant of Patents and extensions of term thereof, and for obtaining and maintaining the registration of Other Intellectual Property, including power to sign and execute applications for European Patents and to sign and execute all other documents pursuant to all proceedings established by the European Patent Convention; including power to sign and execute applications under the Patent Cooperation Treaty and to sign and execute all other documents pursuant to all proceedings established by the Patent Cooperation Treaty
- (2) to apply for and obtain any certificates of registration and renewal;
- (3) to pay the lawful fees and taxes and receive all official certificates;
- (4) to recover any documents relating to any such applications as aforesaid as well as any fees and taxes that may have been paid;
- (5) to apply for copies or duplicates of any official certificates;
- to appoint and instruct any Counsel, Solicitor, Patent Attorney or other professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not an employee of the professional representative or agent (whether or not agent (whether

cancellation or abandonment of Patents and Other Intellectual Property belonging to the Company including the defence of oppositions or petitions for revocation or cancellation or like proceedings respecting such Patents and Other Intellectual Property belonging to other parties and to revoke and cancel all or any such appointments and instructions;



- (B) **HEREBY** confirms and ratifies and, for itself and its successors and assigns, covenants to confirm and ratify whatsoever the Attorneys jointly or severally shall lawfully do or cause to be done by virtue of those presents.
- (C) **HEREBY REVOKES** the Power of Attorney dated 1st July 2002.

This Power of Attorney shall cease to have effect on 31 December 2003. The Company may revoke this Power of Attorney in respect of any individual Attorney before 31 December 2003 by giving that person notice of revocation in writing.

IN WITNESS whereof this power of attorney has been executed as a deed this

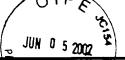
2 day of Noveneed 2002.

Signed as a Deed by **SYNGENTA LIMITED**

.....COMPANY DIRECTOR

COMPANY SECRETARY

ECORDATION FORM COVE



06-14-2002



DMMERCE mark Office

Form PTO-1595

(Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

PATEMYS OI

▼ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) Name of conveying party(ies): Name: _____ Syngenta Limited John David Windass 6-5-02 Stephen Paul Heaney Internal Address: Intellectual Property Department Carole Patricia Stanger Annabel Renwick Jealott's Hill International Research Centre Additional name(s) of conveying party(ies) attached? Ves No 3. Nature of conveyance: ✓ Assignment __Merger PO Box NO 3538 Street Address: _____ Change of Name Security Agreement Bracknell, Berkshire UNITED KINGDOM Other_____ City:_____State:___Zip:_ RG42 6YA October 31, 2001 Execution Date: Additional name(s) & address(es) attached? Yes V No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/069,465 B. Patent No.(s) Additional numbers attached? Yes No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$_0.00 Hale and Dorr LLP Colleen Superko Enclosed Internal Address: Authorized to be charged to deposit account 8. Deposit account number: Street Address:_____ 08-0219 _____State:___Zip:___

To Provide the Control of the Contro		
6/13/2002 DBYRNE 00000145, 080219 100694 1 FC:58 40.00 CH Colleen Superko	// // /	05/21/2002
Name of Person Sign		Date
Totai	number of pages including cover sheet, attachments, and documen	ss 📖

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Form PTO-1595 (Rev. 63/01) OMB No. 0651-0027 (exp. 5/31/2002)





To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Continuation of Item 1 of Recordation Form Cover Sheet:

1. Names of conveying party(ies) (Continued from page 1):

David Mark Whitcombe Stephen Little Neil James Gibson Jane Theaker



AUGUST 16, 2002

COLLEEN SUPERKO 60 STATE STREET BOSTON, MA 02109

HALE AND DORR LLP

PTAS

Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231



102122344A

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4. 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/05/2002

REEL/FRAME: 012989/0835

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WINDASS, JOHN DAVID

DOC DATE: 10/31/2001

ASSIGNOR:

HEANEY, STEPHEN PAUL

DOC DATE: 10/31/2001

ASSIGNOR:

STANGER, CAROLE PATRICIA

DOC DATE: 10/26/2001

ASSIGNOR:

RENWICK, ANNABLE

DOC DATE: 12/06/2001

ASSIGNOR:

1 11 1

WHITCOMBE, DAVID MARK

DOC DATE: 11/13/2001

GIBSON, NEIL JAMES

012989/0835 PAGE 2

ASSIGNOR:

THEAKER, JANE

DOC DATE: 11/21/2001

ASSIGNEE:

SYNGENTA LIMITED INTELLECTUAL PROPERTY DEPARTMENT JEALOTT'S HILL INTERNATIONAL RESEARCH CENTRE PO BOX NO 3538 BRACKNELL, BERKSHIRE, UNITED KINGDOM RG42 6YA

SERIAL NUMBER: 10069465

PATENT NUMBER:

FILING DATE: ISSUE DATE:

JEEVON JONES, EXAMINER ASSIGNMENT DIVISION

OFFICE OF PUBLIC RECORDS

PATENT APPLICATION





Docket No. PPD 50396/UST

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

John David WINDASS, Stephen Paul HEANEY, Carole Patricia STANGER, Annabel RENWICK, David Mark WHITCOMBE, Stephen LITTLE, Neil James GIBSON and Jane THEAKER.

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE, SYNGENTA Limited, a company created and existing under the laws of England and Wales, having its Head Office at Fernhurst, Haslemere, Surrey, GU27 3JE, and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled: METHODS.

and which is found in

- U.S. patent application executed on even date herewith; (a) X.
- U.S. patent application executed on 26 April 2000 (b) <u>X</u>
- U.S. application serial number filed on 10/069,465 (c) X
- International application number PCT/GB00/01620 (d) <u>X</u>

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or reexamination thereof;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

Signed this

31.肽	day of 1 the 7 2001	the baid Gular
>1 W		John David WINDASS
	WITNESS: C. Davling	WITNESS: MA Amuld
	DATE: 31 St October 2001	DATE: 31st October 200
	DATE	\overline{Q} , \overline{Q} , $ $
12	day of	Stephen Raul HEANEY
	(Dayling)	WITNESS:
	WITNESS: Charles 2001	DATE:31 October 2001
	DATE: 313 (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	UNIC. DI

Docket No. PPD 50396/UST

ASSIGNMENT Continued Page 2

26th day of October 2001	Cade Patricia Stanget
	Carole Patricia STANGER
WITNESS: Charling	WITNESS: M H It muld
WITNESS: C. MON LING	DATE: 26 October 2001
DATE: <u>26 OCTOPED SCIDI</u>	DATE: A O COCCO V 2 5 5
(2 day of <u>Docomber</u> 2001	Chrabel RENWICK
WITNESS: Tary walch	WITNESS: Medina
DATE: 6 December 2001	DATE: Biddonber.
	D. Witcombe
13 day of November 2001 _	1-White
day of <u>your sectors</u>	David Mark WHITCOMBE
WITNESS: ARE TOR	WITNESS:
WITNESS:	
DATE: 13/11/01	DATE: 13 11 01
174 November 2004	Su lu-
day of November 2001	Stephen LITTLE
WITNESS: ARCORS	WITNESS:
WITNESS: 11 See See See See See See See See See	DATE: 13 4 01
DATE: 13/11/01	
22 day of November 2001	Nex James Gis
ZZW day or / Voveract 2001	Neil James GIBSON
1 . A	WITNESS: sometiments
WITNESS: Sally W.	
DATE: 22" Nov 2001	DATE: 22/11/2001
	Jane Theaker
2 1st day of November 2001	/ Jane I HEAKER
	WITNESS: WIM WYUM
WITNESS: Kacrael Mare	A = A + A + A + A + A + A + A + A + A +
DATE: 21st of November 200	DI DATE: ULI OFTOGUES INCIDENTE

additional page(s) are attached hereto